

## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

## INDEX

## NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS.

Abnormal Hen's Egg, F. E. CHID-ESTER, 49

Albino Series of Allelomorphs in Guinea-pigs, SEWALL WRIGHT, 140 "Algæ, Blanket," of Freshwater Pools, The Population of the,

EMILIE LOUISE PLATT, 752
Allelomorphs, Multiple, The Significance of, W. E. CASTLE and H. D. FISH, 88; in Mice, C. C. LITTLE, 122; The Albino Series of, in Guinea-pigs, SEWALL WRIGHT, 140; and Mice, T. H. MORGAN,

Amphibia, Fossil, Some Recent Studies on, Roy L. Moodie, 369; Coal Measures and the Crossopterygia, ROY L. MOODIE, 637 Amphimixis and Variability, L. B.

Walton, 649

Anticipatory Mutationist, R. Rug-GLES GATES, 645

Asterias tenuispina Lamk. at Bermuda, On the Number of Rays in, W. J. CROZIER, 28

Asymmetry, A Study of, as developed in the Genera and Families of Recent Crinoids, Austin H. Clark, 521

BARTLETT, HARLEY HARRIS, Mutation en Masse, 129

Bean, Seed, The Influence of Position in the Pod upon the Weight of the, J. ARTHUR HARRIS, 44; Common, Inheritance of Habit in, JOHN B. NORTON, 547

Belling, John, On the Time of Segregation of Genetic Factors in Plants, 125; The Evening Primrose Varieties of de Vries, 319; Linkage and Semi-Sterility, 582

Bermuda, On the Number of Rays in Asteria tenuispina Lamarck at, W. J. Crozier, 28

Bilaterality in Vertebrates, Origin of, A. C. EYCLESHEIMER,

Black-eyed White Spotting in Mice, The Inheritance of, C. C. LITTLE,

Blakeslee, A. F. and D. E. War-

NER, Correlation between Egglaying Activity and Yellow Pigment in the Domestic Fowl, 360 "Blanket Alga" of Freshwater Pools, The Population of the, EMILIE LOUISE PLATT, 752

Calculating the Percentage of Recessives from Incomplete Data, W. J. SPILLMAN, 383

CALKINS, GARY N., Cycles and Rhythms and the Problems of "Immortality" in Paramecium,

Castle, W. E., Mr. Muller on the Constancy of Mendelian Charac-ters, 37; Selection, Sugar-beets and Thrips, 121; Some Experiments in Mass Selection, 713; and PHILIP B. HADLEY, The English Rabbit and the Question of Mendelian Unit-character Constancy, 23; and H. D. FISH, The Black-and-Tan Rabbit and the Significance of Multiple Allelomorphs, 88 Cat, The Tortoiseshell, Phineas W.

WHITING, 518

Character showing Sex-linked Mendelian Inheritance. Seventeen YearsSelection of, RAYMOND Pearl, 595

Characters, Single, Origin of, as observed in Fossil and Living Animals and Plants, HENRY FAIR-FIELD OSBORN, 193; Modification of, by Crossing, R. RUGGLES GATES, 562; Specific and Varietal, in Annual Sunflowers, T. D. A. Cockerell, 609

CHIDESTER, F. E., An Abnormal Hen's Egg, 49

Chromosome, of Drosophila, Another Gene in the Fourth, MILDRED A. Hoge, 47; View of Heredity and Its Meaning to Plant Breeders, E. M. East, 457

CLARK, AUSTIN H., A Study of Asymmetry, as developed in the Genera and Families of Recent Crinoids, 521

Coal Measures Amphibia and the

Crossopterygia, Roy L. Moodie,

COCKERELL, T. D. A., Diptera from the Seychelles, 251; Specific and Varietal Characters in Annual Sunflowers, 609

Correlation between Egg-laying Activity and Yellow Pigment in the Domestic Fowl, A. F. BLAKESLEE and D. E. WARNER, 360
Correlations, Value of Inter-annual, J. Arthur Harris, 707
Compliance with Decomposition

Coupling-ratio, The Determination of the Best Value of the, from a given Set of Data, F. L. E. and G. U. Y., 127

Crinoids, Recent, A Study of Asymmetry, as developed in the Genera and Families of, Austin H.

CLARK, 521 Crossing, Over, None in the Female of the Silkworm Moth, A. H. STURTEVANT, 42; Modification of Characters by, R. RUGGLES GATES,

Crossopterygia, and Coal Measures Amphibia, ROY L. MOODIE, 637 CROZIER, W. J., On the Number of

Rays in Asterias tenuispina Lamk. at Bermuda, 28

Cycles and Rhythms and the Prob-lem of "Immortality" in Paramecium, Gary N. Calkins, 65

Davis, Bradley Moore, Additional Evidence of Mutation in Enothera, 702; Professor de Vries on the Probable Origin of Enothera Lamarckiana, 59

DENDY, ARTHUR, Progressive Evolution and the Origin of Species,

149 Dictionary, The New S Genetic Definitions in, Standard, G.

SHULL, 52 Diptera from the Seychelles, T. D. A. Cockerell, 251

Doubleness, Inheritance of, in Matthiola and Petunia, Howard B. Frost, 623

Drosophila, Another Gene in the Fourth Chromosome of, MILDRED A. Hoge, 47; ampelophila, A Peculiar Mendelian Ratio in, Joseph Liff, 97; The Origin of a New Eye-color in, and Its Behavior in Heredity, Roscoe R. Hyde, 183; A Wing Mutation in a New Species of, Roscoe R. Hyde, 185; Mutations in Two Species of, C.

W. and B. S. Metz, 187; repleta, A Sex-linked Character in, A. H. STURTEVANT, 189; The Infertility of Rudimentary Winged Females of, T. H. MORGAN, 240; The Rôle of the Environment in the Realization of a Sex-linked Mendelian Character in, T. H. Morgan, 385; A Note on the Gonads of Gynan-

dromorphs of, F. N. DUNCAN, 455 DUNCAN, F. N., A Note on the Gonads of Gynandromorphs of Drosophila ampelophila, 455; An Attempt to produce Mutations through Hybridization, 575

E., F. L. and G. U. Y., The Determination of the Best Value of the Coupling-ratio from a Given Set of Data, 127

Early Portravals of the Opossum, CHARLES R. EASTMAN, 585

EAST, E. M., The Phenomenon of Self-sterility, 76, 712; The Chromosome View of Heredity and its Meaning to Plant Breeders, 457 EASTMAN, CHARLES R., Early Por-

trayals of the Opossum, 585

Egg, An Abnormal Hen's, F. E. CHIDESTER, 49; On the Nature of the Conditions which determine or prevent the Entrance of the Spermatozoon into the, JACQUES Loeb, 257

Activity and Yellow Egg-laying Pigment in the Domestic Fowl, between. Correlation BLAKESLEE and D. E. WARNER, 360

Enchytræus albidus, Regeneration Posteriorly in, H. R. HUNT, 495 ENGLEDOW, F. L., Repulsion in Wheat, 127

Environment, The Rôle of the, in the Realization of a Sex-linked Character in Drosophila, T. H. Morgan,

Evening Primrose Varieties of de Vries, JOHN BELLING, 319

Evolution, Progressive, and the Origin of Species, ARTHUR DENDY, 149; Organic, The Significance of Certain Internal Conditions of the Organism in, F. H. PIKE and E. L. SCOTT, 321

EYCLESHEIMER, A. C., The Origin of Bilaterality in Vertebrates, 504 Eye-color, New, Origin in Drosophila repleta, and its Behavior in Heredity Roscoe R. Hyde, 183

Blend accompanied by Genic Purity, H. H. LAUGHLIN, 741

Fecundity in the Domestic Fowl, Mendelian Inheritance of, and Average Flock Production, RAY-MOND PEARL, 306

Field Experiments, On a Criterion of Substratum Homogeneity (or Heterogeneity) in, J. ARTHUR

HARRIS, 430 FISH, H. D. and W. E. CASTLE, The Black-and-Tan Rabbit and the Significance of Multiple Allelomorphs, 88

Flock Production, Average, and Mendelian Inheritance of Fecundity in the Domestic Fowl, RAY-MOND PEARL, 306

Flower Pigments, M. W., 256

Fossil, and Living Animals and Plants, Origin of Single Characters as observed in, HENRY FAIR-FIELD OSBORN, 193; Amphibia, Some Recent Studies in, Roy L. Moodie, 369

Fowl, Domestic, Mendelian Inheritance of Fecundity in and Average Flock Production, RAYMOND PEARL, 306; Correlation between Egg-laying Activity and Yellow Pigment in, A. F. BLAKESLEE and

D. E. WARNER, 360 Freshwater Pools, Population of the "Blanket Alga" of,  $\mathbf{E}_{\mathbf{MILIE}}$ 

LOUISE PLATT, 752 FROST, HOWARD B., The Inheritance of Doubleness in Matthiola and Petunis, I. The Hypotheses, 623

GATES, R. RUGGLES, On the Modification of Characters by Crossing, 562; An Anticipatory Mutationist, 645

Gene, Another, in the Fourth Chromosome of Drosophila, MILDRED

A. Hoge, 47

- Genetic, Definitions in the New Standard Dictionary, G. H. SHULL, 52; Factors in Plants, On the Time of Segregation of, John Belling, 125; Studies of Several Geographic Races of California Deer Mice, Francis B. Sumner, 688
- Genic Purity, The F<sub>1</sub> Blend accompanied by, H. H. LAUGHLIN, 741 Germ Cells and Somatic Cells, LEO LOEB, 286
- Gonads of Gynandromorphs of Drosophila ampelophila, F. N. Dun-CAN, 455

Guinea-pigs, The Albino Series of Allelomorphs in, SEWALL WRIGHT,

773

Gurwitsch, A., Practical Vitalism, 763

Gynandromorphs of Drosophila ampelophila, Gonads of, F. N. Dun-CAN, 455

Habit, Inheritance of, in the Common Bean, John B. Norton, 547

HADLEY, PHILIP B., and W. E. CASTLE, The English Rabbit and the Question of Mendelian Unitcharacter Constancy, 23

Handwriting, The Resemblance of Young Twins in, EDWARD L.

THORNDIKE, 377

HARRIS, J. ÁRTHUR, The Influence of Position in the Pod upon the Weight of the Bean Seed, 44; on a Criterion of Substratum Homogeneity (or Heterogeneity) in Field Experiments, 430; The Value of Inter-annual Correlations, 707

Heredity, The Origin of a New Eye-color in Drosophila repleta and its Behavior in, ROSCOE R. HYDE, 183; The Chromosome View of, and its Meaning to Plant Breed-

ers, E. M. EAST, 457

HOGE, MILDRED A., Another Gene in the Fourth Chromosome of Drosophila, 47

HORTON, BYRON B., Sterility in a Species Cross, 252

Hunt, H. R., Regeneration Posteriorly in Enchytræus albidus, 495

- Hyde, Roscoe R., The Origin of a New Eye-color in Drosophila repleta and its Behavior in Heredity, 183; A Wing Mutation in a New Species of Drosophila, 185
- "Immortality"  $_{
  m in}$ Paramecium, Cycles and Rhythms, and the Problem of, GARY N. CALKINS, 65 Inbreeding, Studies in, RAYMOND Pearl, 570

Infertility of Rudimentary Winged Females of Drosophila ampelo-

phila, T. H. Morgan, 240

Inheritance, Mendelian, of Fecundity in the Domestic Fowl, and Average Flock Production, MOND PEARL, 306; of Habit in the Common Bean, JOHN B. NORTON, 547; Sex-linked Mendelian, Seventeen Years Selection of a Character showing, RAYMOND PEARL,

595; of Doubleness in Matthiola and Petunia, Howard B. Frost, 623; of Black-eyed White Spotting in Mice, C. C. LITTLE, 727

Inter-annual Correlations, J. ARTHUR HARRIS, 707

Internal Conditions, Certain, of the Organism in Organic Evolution, The Significance of, F. H. PIKE and E. L. Scott, 321

JEFFREY, EDWARD C., Some Fundamental Morphological Objections to the Mutation Theory of de Vries, 5

LAUGHLIN, H. H., The F<sub>1</sub> Blend accompanied by Genic Purity, 741 LIFF, JOSEPH, Data on a Peculiar Mendelian Ratio in Drosophila ampelophila, 97

Linkage and Semi-sterility, John Belling, 582

LITTLE, C. C., A Note on Multiple Allelomorph's in Mice, 122; The Inheritance of Black-eyed White Spotting in Mice, 727

LOEB, JACQUES, On the Nature of the Conditions which determine or prevent the Entrance of the Spermatozoon into the Egg, 257

LOEB, LEO, Germ Cells and Somatic Cells, 286

Mass Selection, Some Experiments in, W. E. CASTLE, 713

Matthiola and Petunia, Inheritance of Doubleness in, Howard B. Frost, 623

Mendelian, Unit-character Constancy, The English Rabbit and the Question of, W. E. CASTLE and PHILIP B. HADLEY, 23; Characters, Mr. Muller on the Constancy of, W. E. CASTLE, 37; Ratio, Peculiar, in Drosophila ampelophila, Joseph LIFF, 97; Inheritance of Fecundity in the Domestic Fowl, and Average Flock Production, RAY-MOND PEARL, 306; Character in Drosophila, The Rôle of the Environment in the Realization of a

Sex-linked, T. H. Morgan, 385 Metz, C. W. and B. S., Mutations in Two Species of Drosophila, 187 Mice, and Allelomorphs, T. H. Mor-GAN, 379; California Deer, Genetic Studies of Several Geographic Races of, Francis B. Sumner, 688; The Inheritance of Blackeyed White Spotting in, C. C. LITTLE, 727

Moodie, Roy L., Some Recent Studies on Fossil Amphibia, 369; The Coal Measures Amphibia and the

Crossopterygia, 637
Morgan, T. H., The Infertility of Rudimentary Winged Females of Drosophila ampelophila, 240; Allelomorphs and Mice, 379; The Rôle of the Environment in the Realization of a Sex-linked Character in Drosophila, 385; and HAROLD PLOUGH, The Appearance of Known Mutations in Other

Mutant Stocks, 318 Moth, Silkworm, No Crossing Over in the Female of, A. H. STURTE-VANT, 42

Muller, Mr., on the Constancy of Mendelian Characters, W. Castle, 37

Multiple Allelomorphs, The Blackand Tan Rabbit and the Significance of, W. E. CASTLE and H. D. FISH, 87; in Mice, C. C. LITTLE, 122

Mutant Stocks, The Appearance of Known Mutations in Other, T. H. Morgan and Harold Plough, 318

Mutation, Theory of de Vries, Some Fundamental Morphological Objections to the, EDWARD C. JEF-FREY, 5; en Masse, HARLEY HAR-RIS BARTLETT, 129; Wing, in a New Species of Drosophila, Ros-COE R. HYDE, 185; in Enothera, Additional Evidence of, BRADLEY Moore Davis, 702

Mutationist, Anticipatory, R. Rug-GLES GATES, 645

Mutations, in Two Species of Drosophila, C. W. and B. S. Metz, 187; Known, Appearance in Other Mutant Stocks, T. H. Morgan and HAROLD PLOUGH, 318; An Attempt to Produce, through Hy-

NORTON, JOHN B., Inheritance of Habit in the Common Bean, 547 Notes and Literature, 52, 127, 251

bridization, F. N. Duncan, 575

Enothera Lamarckiana, Professor de Vries on the Probable Origin of, Bradley Moore Davis, 59; Additional Evidence of Mutation in, Bradley Moore Davis, 702 Opossum, Early Portrayals

CHARLES R. EASTMAN, 585 Organism, The Significance of Certain Internal Conditions of, in Organic Evolution, F. H. PIKE

and E. L. Scott, 321

Origin, of Species, and Progressive Evolution, ARTHUR DENDY, 149; of a New Eye-color in Drosophila repleta and its Behavior in Heredity, Roscoe R. Hyde, 183 Osborn, Henry Fairfield, Origin

of Single Characters as observed in Fossil and Living Animals and

Plants, 193

Paramecium, Cycles and Rhythms and the Problem of "Immortality" in, GARY N. CALKINS, 65

PEARL, RAYMOND, Mendelian Inheritance of Fecundity in the Domestic Fowl, and Average Flock Production, 306; Studies in Inbreeding, 570; Seventeen Years Selection of a Character showing Sexlinked Mendelian Inheritance, 595

Petunia, and Matthiola, Inheritance of Doubleness in, Howard B.

FROST, 623 PIKE, F. H. and E. L. SCOTT, The Significance of Certain Internal Conditions of the Organism in Organic Evolution, 321

Plant Breeders, The Chromosome View of Heredity and its Mean-

ing to, E. M. EAST, 457

PLATT, EMILIE LOUISE, The Population of the "Blanket Alga" of Freshwater Pools, 752

PLOUGH, HAROLD and T. H. MORGAN, The Appearance of Known Mutations in Other Mutant Stocks,

Practical Vitalism, A. GURWITSCH, 762

Rabbit, The English, and the Question of Mendelian Unit-character W. E. CASTLE and Constancy, PHILIP B. HADLEY, 23; The Blackand-Tan, and the Significance of Multiple Allelomorphs, Castle and H. D. Fish, 88

Rays in Asterias tenuispina Lamk. at Bermuda, Number of, W. J.

Crozier, 28

Recessives, A Method of Calculating the Percentage of, from Incomplete Data, W. J. SPILLMAN, 383 Regeneration Posteriorly in Enchy-

træus albinus, H. B. Hunt, 495

Repulsion in Wheat, F. L. Engle-Dow, 127 Resemblance of Young Twins in Handwriting, EDWARD L. THORN-DIKE, 377

SCOTT, E. L. and F. H. PIKE, The Significance of Certain Internal Conditions of the Organism in Organic Evolution, 321

Segregation of Genetic Factors in Plants, On the Time of, John

Belling, 125

Selection, Sugar-beets and Thrips, W. E. Castle, 121; Mass, Some Experiments in, W. E. Castle, 713

Self-sterility, The Phenomenon of, E. M. EAST, 76, 712

Semi-sterility, and Linkage, John

Belling, 582 Sea linked, Character in Drosophila repleta, A. H. STURTEVANT, 189; Mendelian Inheritance, Seventeen Years Selection of a Character showing, RAYMOND PEARL, 595 Seychelles, Diptera from, T. D. A.

Cockerell, 251

Shorter Articles and Discussion, 121, 183, 318, 455, 518, 570, 645, 702,

SHULL, G. H., Genetic Definitions in the New Standard Dictionary, 52 Somatic Cells and Germ Cells, Leo LOEB, 286

Species Cross, Sterility in, Byron

B. Horton, 252

Spermatozoon, On the Nature of the Conditions which determine or prevent Entrance into the Egg, Jacques Loeb, 257

SPILLMAN, W. J., A Method of Calculating the Percentage of Recessives from Incomplete Data, 383

Spotting, Black-eyed White, Inheritance of, in Mice, C. C. LITTLE,

Sterility, Self, The Phenomenon of, E. M. East, 76; in a Species Cross, Byron B. Horton, 252

STURTEVANT, A. H., No Crossing Over in the Female of the Silkworm Moth, 42; A Sex-linked Character in Drosophila repleta,

Substratum Homogeneity (or Heterogeneity) in Field Experiments, J. ARTHUR HARRIS, 430

Sugar-beets, Selection and Thrips, W. E. CASTLE, 121

SUMNER, FRANCIS B., Genetic Studies of Several Geographic Races of California Deer Mice, 688

- Sunflowers, Annual, Specific and Varietal Characters in, T. D. A. COCKERELL, 609
- THORNDIKE, EDWARD L., The Resemblance of Young Twins in Handwriting, 377
- Thrips, Sugar-beets and Selection, W. E. CASTLE, 121
- Tortoiseshell Cat, PHINEAS W. WHITING, 518
- Twins, Young, Resemblance in Handwriting, Edward L. Thornblke, 377
- Variability and Amphimixis, L. B. Walton, 649
- Vertebrates, The Origin of Bilaterality in, A. C. EYCLESHEIMER, 504
- Vitalism, Practical, A. Gurwitsch, 763
- Vries, Hugo de, Some Fundamental Morphological Objections to the Mutation Theory of, EDWARD C. JEFFREY, 5; on the Probable Origin of Œnothera Lamarckiana,

- Bradley Moore Davis, 59; The Evening Primrose Varieties of, John Belling, 319
- W., M., Flower Pigments, 256 Walton, L. B., Variability and Amphimixis, 649
- WARNER, D. E. and A. F. BLAKES-LEE, Correlation between Egg-laying Activity and Yellow Pigment in the Domestic Fowl, 360
- Weight of the Bean Seed, The Influence of Position in the Pod upon, J. Arthur Harris, 44
- Wheat, Repulsion in, F. L. ENGLE-DOW, 127
- WHITING, PHINEAS W., The Tortoiseshell Cat, 518
- WRIGHT, SEWALL, The Albino Series of Allelomorphs in Guinea-pigs, 140
- Y., G. U. and F. L. E., The Determination of the Best Value of the Coupling-ratio from a Given Set of Data, 127